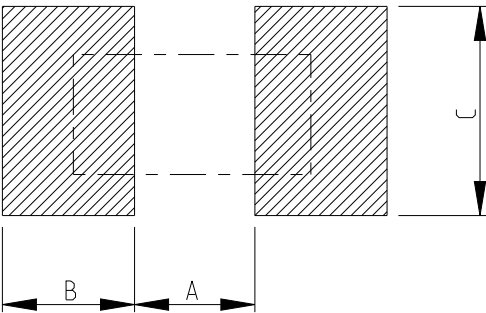


P	LTR	DESCRIPTION	DATE	DWN	APVD
	BA	INITIAL DRAWING RELEASE	22NOV2023	DM	AP

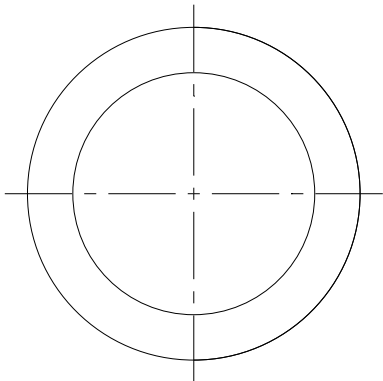
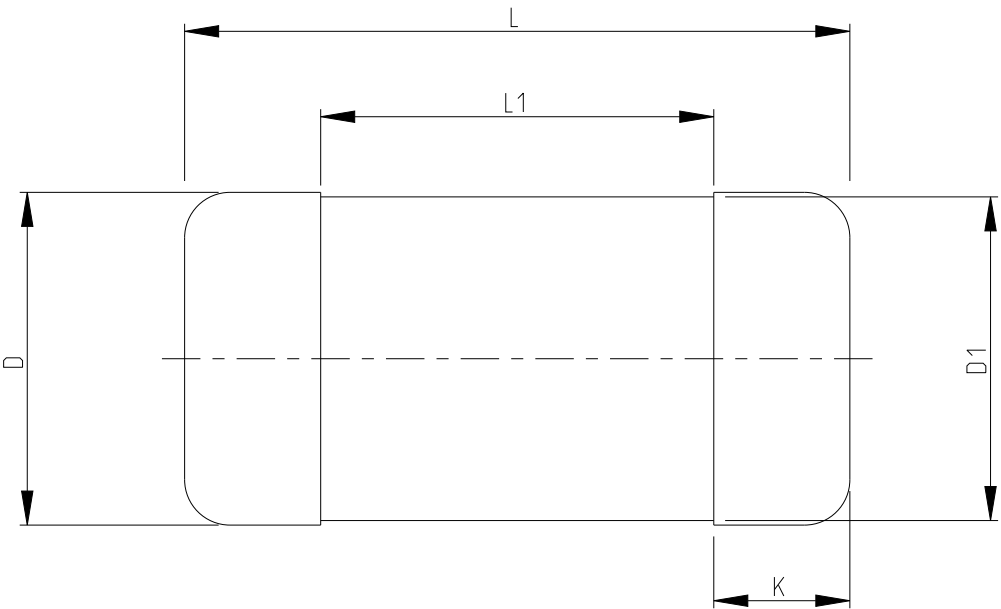
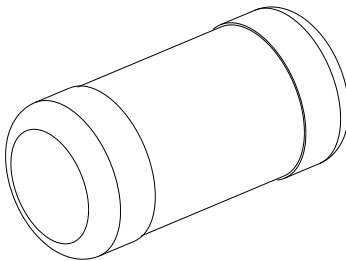
FOR FURTHER INFORMATION SEE DATA SHEET OF METAL FILM PRECISION
MELF RESISTOR AEC-Q200 QUALIFIED TYPE SMA-Q SERIES

RECOMMENDED LAND PATTERN



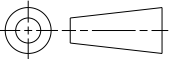
SIZE	A (mm)	B (mm)	C (mm)
SMA-Q 0102	1	0.8	1.5

RoHS Compliant



TYPE	L (mm)	L1 min. (mm)	ØD (mm)	ØD1 (mm)	K (mm)	WEIGHT MG EA
SMA-Q 0102	2.2 ±0.1	1.1	1.1 ±0.1	D +0/-0.15	0.45 ±0.05	7.7

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN DHEERAJ M 22NOV2023	 TE Connectivity		
		CHK TRACY G 22NOV2023			
		APVD ALLAN P 22NOV2023	NAME METAL FILM PRECISION MELF RESISTORS AEC-Q200 QUALIFIED TYPE SMA-Q 0102 SERIES		
		PRODUCT SPEC			
		APPLICATION SPEC			
		WEIGHT			
		CUSTOMER DRAWING			
		SCALE			
		SHEET			
		REV			

DIMENSIONS:	TOLERANCES UNLESS OTHERWISE SPECIFIED:
mm	
	0 PLC ±0.2 1 PLC ±0.1 2 PLC ±- 3 PLC ±- 4 PLC ±- ANGLES ±5°
MATERIAL	FINISH
-	-
-	-

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A3	00779	C=2176646	-

REVISIONS

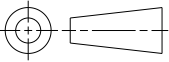
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-

SCHEDULE			
TCPN	CATALOGUE NUMBER	PART DESCRIPTION	PART STATUS
2176646-1	SMA-Q0102FTDL10R7	MELF SMA-Q 10R7 1% 50PPM 0102 0.3W	PRODUCTION
2176646-2	SMA-Q0102FTDL11R	MELF SMA-Q 11R 1% 50PPM 0102 0.3W	PRODUCTION
2176646-3	SMA-Q0102FTDL11R3	MELF SMA-Q 11R3 1% 50PPM 0102 0.3W	PRODUCTION
2176646-4	SMA-Q0102FTDL11R5	MELF SMA-Q 11R5 1% 50PPM 0102 0.3W	PRODUCTION
2176646-5	SMA-Q0102FTDL11R8	MELF SMA-Q 11R8 1% 50PPM 0102 0.3W	PRODUCTION
2176646-6	SMA-Q0102FTDL12R1	MELF SMA-Q 12R1 1% 50PPM 0102 0.3W	PRODUCTION
2176646-7	SMA-Q0102FTDL12R4	MELF SMA-Q 12R4 1% 50PPM 0102 0.3W	PRODUCTION
2176646-8	SMA-Q0102FTDL12R7	MELF SMA-Q 12R7 1% 50PPM 0102 0.3W	PRODUCTION
2176646-9	SMA-Q0102FTDL13R	MELF SMA-Q 13R 1% 50PPM 0102 0.3W	PRODUCTION
1-2176646-0	SMA-Q0102FTDL13R3	MELF SMA-Q 13R3 1% 50PPM 0102 0.3W	PRODUCTION
1-2176646-1	SMA-Q0102FTDL13R7	MELF SMA-Q 13R7 1% 50PPM 0102 0.3W	PRODUCTION
1-2176646-2	SMA-Q0102FTDL14R	MELF SMA-Q 14R 1% 50PPM 0102 0.3W	PRODUCTION
1-2176646-3	SMA-Q0102FTDL14R3	MELF SMA-Q 14R3 1% 50PPM 0102 0.3W	PRODUCTION
1-2176646-4	SMA-Q0102FTDL14R7	MELF SMA-Q 14R7 1% 50PPM 0102 0.3W	PRODUCTION
1-2176646-5	SMA-Q0102FTDL15R	MELF SMA-Q 15R 1% 50PPM 0102 0.3W	PRODUCTION
1-2176646-6	SMA-Q0102FTDL15R4	MELF SMA-Q 15R4 1% 50PPM 0102 0.3W	PRODUCTION
1-2176646-7	SMA-Q0102FTDL15R8	MELF SMA-Q 15R8 1% 50PPM 0102 0.3W	PRODUCTION
1-2176646-8	SMA-Q0102FTDL16R2	MELF SMA-Q 16R2 1% 50PPM 0102 0.3W	PRODUCTION
1-2176646-9	SMA-Q0102FTDL16R5	MELF SMA-Q 16R5 1% 50PPM 0102 0.3W	PRODUCTION
2-2176646-0	SMA-Q0102FTDL16R9	MELF SMA-Q 16R9 1% 50PPM 0102 0.3W	PRODUCTION
2-2176646-1	SMA-Q0102FTDL17R4	MELF SMA-Q 17R4 1% 50PPM 0102 0.3W	PRODUCTION
2-2176646-2	SMA-Q0102FTDL17R8	MELF SMA-Q 17R8 1% 50PPM 0102 0.3W	PRODUCTION
2-2176646-3	SMA-Q0102FTDL18R2	MELF SMA-Q 18R2 1% 50PPM 0102 0.3W	PRODUCTION
2-2176646-4	SMA-Q0102FTDL18R7	MELF SMA-Q 18R7 1% 50PPM 0102 0.3W	PRODUCTION
2-2176646-5	SMA-Q0102FTDL19R1	MELF SMA-Q 19R1 1% 50PPM 0102 0.3W	PRODUCTION
2-2176646-6	SMA-Q0102FTDL19R6	MELF SMA-Q 19R6 1% 50PPM 0102 0.3W	PRODUCTION
2-2176646-7	SMA-Q0102FTDL20R	MELF SMA-Q 20R 1% 50PPM 0102 0.3W	PRODUCTION
2-2176646-8	SMA-Q0102FTDL20R5	MELF SMA-Q 20R5 1% 50PPM 0102 0.3W	PRODUCTION
2-2176646-9	SMA-Q0102FTDL21R	MELF SMA-Q 21R 1% 50PPM 0102 0.3W	PRODUCTION
3-2176646-0	SMA-Q0102FTDL21R5	MELF SMA-Q 21R5 1% 50PPM 0102 0.3W	PRODUCTION
3-2176646-1	SMA-Q0102FTDL22R1	MELF SMA-Q 22R1 1% 50PPM 0102 0.3W	PRODUCTION
3-2176646-2	SMA-Q0102FTDL22R6	MELF SMA-Q 22R6 1% 50PPM 0102 0.3W	PRODUCTION
3-2176646-3	SMA-Q0102FTDL23R2	MELF SMA-Q 23R2 1% 50PPM 0102 0.3W	PRODUCTION

SCHEDULE			
TCPN	CATALOGUE NUMBER	PART DESCRIPTION	PART STATUS
3-2176646-4	SMA-Q0102FTDL23R7	MELF SMA-Q 23R7 1% 50PPM 0102 0.3W	PRODUCTION
3-2176646-5	SMA-Q0102FTDL24R3	MELF SMA-Q 24R3 1% 50PPM 0102 0.3W	PRODUCTION
3-2176646-6	SMA-Q0102FTDL24R9	MELF SMA-Q 24R9 1% 50PPM 0102 0.3W	PRODUCTION
3-2176646-7	SMA-Q0102FTDL25R5	MELF SMA-Q 25R5 1% 50PPM 0102 0.3W	PRODUCTION
3-2176646-8	SMA-Q0102FTDL26R1	MELF SMA-Q 26R1 1% 50PPM 0102 0.3W	PRODUCTION
3-2176646-9	SMA-Q0102FTDL26R7	MELF SMA-Q 26R7 1% 50PPM 0102 0.3W	PRODUCTION
4-2176646-0	SMA-Q0102FTDL27R4	MELF SMA-Q 27R4 1% 50PPM 0102 0.3W	PRODUCTION
4-2176646-1	SMA-Q0102FTDL28R	MELF SMA-Q 28R 1% 50PPM 0102 0.3W	PRODUCTION
4-2176646-2	SMA-Q0102FTDL28R7	MELF SMA-Q 28R7 1% 50PPM 0102 0.3W	PRODUCTION
4-2176646-3	SMA-Q0102FTDL29R4	MELF SMA-Q 29R4 1% 50PPM 0102 0.3W	PRODUCTION
4-2176646-4	SMA-Q0102FTDL30R1	MELF SMA-Q 30R1 1% 50PPM 0102 0.3W	PRODUCTION
4-2176646-5	SMA-Q0102FTDL30R9	MELF SMA-Q 30R9 1% 50PPM 0102 0.3W	PRODUCTION
4-2176646-6	SMA-Q0102FTDL31R6	MELF SMA-Q 31R6 1% 50PPM 0102 0.3W	PRODUCTION
4-2176646-7	SMA-Q0102FTDL32R4	MELF SMA-Q 32R4 1% 50PPM 0102 0.3W	PRODUCTION
4-2176646-8	SMA-Q0102FTDL33R2	MELF SMA-Q 33R2 1% 50PPM 0102 0.3W	PRODUCTION
4-2176646-9	SMA-Q0102FTDL34R	MELF SMA-Q 34R 1% 50PPM 0102 0.3W	PRODUCTION
5-2176646-0	SMA-Q0102FTDL34R8	MELF SMA-Q 34R8 1% 50PPM 0102 0.3W	PRODUCTION
5-2176646-1	SMA-Q0102FTDL35R7	MELF SMA-Q 35R7 1% 50PPM 0102 0.3W	PRODUCTION
5-2176646-2	SMA-Q0102FTDL36R5	MELF SMA-Q 36R5 1% 50PPM 0102 0.3W	PRODUCTION
5-2176646-3	SMA-Q0102FTDL37R4	MELF SMA-Q 37R4 1% 50PPM 0102 0.3W	PRODUCTION
5-2176646-4	SMA-Q0102FTDL38R3	MELF SMA-Q 38R3 1% 50PPM 0102 0.3W	PRODUCTION
5-2176646-5	SMA-Q0102FTDL39R2	MELF SMA-Q 39R2 1% 50PPM 0102 0.3W	PRODUCTION
5-2176646-6	SMA-Q0102FTDL40R2	MELF SMA-Q 40R2 1% 50PPM 0102 0.3W	PRODUCTION
5-2176646-7	SMA-Q0102FTDL41R2	MELF SMA-Q 41R2 1% 50PPM 0102 0.3W	PRODUCTION
5-2176646-8	SMA-Q0102FTDL42R2	MELF SMA-Q 42R2 1% 50PPM 0102 0.3W	PRODUCTION
5-2176646-9	SMA-Q0102FTDL43R2	MELF SMA-Q 43R2 1% 50PPM 0102 0.3W	PRODUCTION
6-2176646-0	SMA-Q0102FTDL44R2	MELF SMA-Q 44R2 1% 50PPM 0102 0.3W	PRODUCTION
6-2176646-1	SMA-Q0102FTDL45R3	MELF SMA-Q 45R3 1% 50PPM 0102 0.3W	PRODUCTION
6-2176646-2	SMA-Q0102FTDL46R4	MELF SMA-Q 46R4 1% 50PPM 0102 0.3W	PRODUCTION
6-2176646-3	SMA-Q0102FTDL47R5	MELF SMA-Q 47R5 1% 50PPM 0102 0.3W	PRODUCTION
6-2176646-4	SMA-Q0102FTDL48R7	MELF SMA-Q 48R7 1% 50PPM 0102 0.3W	PRODUCTION
6-2176646-5	SMA-Q0102FTDL49R9	MELF SMA-Q 49R9 1% 50PPM 0102 0.3W	PRODUCTION
6-2176646-6	SMA-Q0102FTDL51R1	MELF SMA-Q 51R1 1% 50PPM 0102 0.3W	PRODUCTION

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:
mm



TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ±0.2

1 PLC ±0.1

2 PLC ±-

3 PLC ±-

4 PLC ±-

ANGLES ±5°

MATERIAL

-

-

DWN
DHEERAJ M
22NOV2023

CHK
TRACY G
22NOV2023

APVD
ALLAN P
22NOV2023

PRODUCT SPEC
-

APPLICATION SPEC
-

WEIGHT
-

CUSTOMER DRAWING

SCALE 40:1

SHEET 2 OF 3

REV BA

TE Connectivity

NAME

METAL FILM PRECISION MELF RESISTORS
AEC-Q200 QUALIFIED TYPE
SMA-Q 0102 SERIES

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

A3

00779

©-2176646

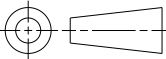
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1470-19 (3/13)

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-

SCHEDULE			
TCPN	CATALOGUE NUMBER	PART DESCRIPTION	PART STATUS
6-2176646-7	SMA-Q0102FTDL52R3	MELF SMA-Q 52R3 1% 50PPM 0102 0.3W	PRODUCTION
6-2176646-8	SMA-Q0102FTDL53R6	MELF SMA-Q 53R6 1% 50PPM 0102 0.3W	PRODUCTION
6-2176646-9	SMA-Q0102FTDL54R9	MELF SMA-Q 54R9 1% 50PPM 0102 0.3W	PRODUCTION
7-2176646-0	SMA-Q0102FTDL56R2	MELF SMA-Q 56R2 1% 50PPM 0102 0.3W	PRODUCTION
7-2176646-1	SMA-Q0102FTDL57R6	MELF SMA-Q 57R6 1% 50PPM 0102 0.3W	PRODUCTION
7-2176646-2	SMA-Q0102FTDL59R	MELF SMA-Q 59R 1% 50PPM 0102 0.3W	PRODUCTION
7-2176646-3	SMA-Q0102FTDL60R4	MELF SMA-Q 60R4 1% 50PPM 0102 0.3W	PRODUCTION
7-2176646-4	SMA-Q0102FTDL61R9	MELF SMA-Q 61R9 1% 50PPM 0102 0.3W	PRODUCTION
7-2176646-5	SMA-Q0102FTDL63R4	MELF SMA-Q 63R4 1% 50PPM 0102 0.3W	PRODUCTION
7-2176646-6	SMA-Q0102FTDL64R9	MELF SMA-Q 64R9 1% 50PPM 0102 0.3W	PRODUCTION
7-2176646-7	SMA-Q0102FTDL66R5	MELF SMA-Q 66R5 1% 50PPM 0102 0.3W	PRODUCTION
7-2176646-8	SMA-Q0102FTDL68R1	MELF SMA-Q 68R1 1% 50PPM 0102 0.3W	PRODUCTION
7-2176646-9	SMA-Q0102FTDL69R8	MELF SMA-Q 69R8 1% 50PPM 0102 0.3W	PRODUCTION
8-2176646-0	SMA-Q0102FTDL71R5	MELF SMA-Q 71R5 1% 50PPM 0102 0.3W	PRODUCTION
8-2176646-1	SMA-Q0102FTDL73R2	MELF SMA-Q 73R2 1% 50PPM 0102 0.3W	PRODUCTION
8-2176646-2	SMA-Q0102FTDL75R	MELF SMA-Q 75R 1% 50PPM 0102 0.3W	PRODUCTION
8-2176646-3	SMA-Q0102FTDL76R8	MELF SMA-Q 76R8 1% 50PPM 0102 0.3W	PRODUCTION
8-2176646-4	SMA-Q0102FTDL78R7	MELF SMA-Q 78R7 1% 50PPM 0102 0.3W	PRODUCTION
8-2176646-5	SMA-Q0102FTDL80R6	MELF SMA-Q 80R6 1% 50PPM 0102 0.3W	PRODUCTION
8-2176646-6	SMA-Q0102FTDL82R5	MELF SMA-Q 82R5 1% 50PPM 0102 0.3W	PRODUCTION
8-2176646-7	SMA-Q0102FTDL84R5	MELF SMA-Q 84R5 1% 50PPM 0102 0.3W	PRODUCTION
8-2176646-8	SMA-Q0102FTDL86R6	MELF SMA-Q 86R6 1% 50PPM 0102 0.3W	PRODUCTION
8-2176646-9	SMA-Q0102FTDL88R7	MELF SMA-Q 88R7 1% 50PPM 0102 0.3W	PRODUCTION
9-2176646-0	SMA-Q0102FTDL90R9	MELF SMA-Q 90R9 1% 50PPM 0102 0.3W	PRODUCTION
9-2176646-1	SMA-Q0102FTDL93R1	MELF SMA-Q 93R1 1% 50PPM 0102 0.3W	PRODUCTION
9-2176646-2	SMA-Q0102FTDL95R3	MELF SMA-Q 95R3 1% 50PPM 0102 0.3W	PRODUCTION
9-2176646-3	SMA-Q0102FTDL97R6	MELF SMA-Q 97R6 1% 50PPM 0102 0.3W	PRODUCTION
9-2176646-4	SMA-Q0102FTDL100R	MELF SMA-Q 100R 1% 50PPM 0102 0.3W	PRODUCTION
9-2176646-5	SMA-Q0102FTDL102R	MELF SMA-Q 102R 1% 50PPM 0102 0.3W	PRODUCTION
9-2176646-6	SMA-Q0102FTDL105R	MELF SMA-Q 105R 1% 50PPM 0102 0.3W	PRODUCTION
9-2176646-7	SMA-Q0102FTDL107R	MELF SMA-Q 107R 1% 50PPM 0102 0.3W	PRODUCTION
9-2176646-8	SMA-Q0102FTDL110R	MELF SMA-Q 110R 1% 50PPM 0102 0.3W	PRODUCTION
9-2176646-9	SMA-Q0102FTDL113R	MELF SMA-Q 113R 1% 50PPM 0102 0.3W	PRODUCTION

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN DHEERAJ M	22NOV2023	 TE Connectivity				
		CHK TRACY G	22NOV2023					
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD ALLAN P	22NOV2023	NAME METAL FILM PRECISION MELF RESISTORS AEC-Q200 QUALIFIED TYPE SMA-Q 0102 SERIES			
		0 PLC ±0.2 1 PLC ±0.1 2 PLC ±- 3 PLC ±- 4 PLC ±- ANGLES ±5°	PRODUCT SPEC -					
MATERIAL -	FINISH -	APPLICATION SPEC -	WEIGHT -		SIZE A3	CAGE CODE 00779	DRAWING NO C-2176646	RESTRICTED TO -
		CUSTOMER DRAWING			SCALE 40:1	SHEET 3 OF 3	REV BA	